

1AP7 Rec'd/USPTO 25 JUL 2005

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 118.24-US-WO U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>107587153</b>
INTERNATIONAL APPLICATION NO. PCT/KR2005/000214	INTERNATIONAL FILING DATE 26 Jan 2005 (26.01.05)	PRIORITY DATE CLAIMED 27 Jan 2004 (27.01.04)
TITLE OF INVENTION TRANSFORMED SACCHAROMYCES CEREVISIAE AND METHOD FOR MASS-PRODUCTION OF LK8 PROTEIN USING SAME		
APPLICANT(S) FOR DO/EO/US Hyung-Kwon Lim, Jung Hwan Park, and Sung-Geun Kim		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.		
2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.		
3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input type="checkbox"/> The US has been elected (Article 31).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))		
a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).		
b. <input type="checkbox"/> has been communicated by the International Bureau.		
c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).		
6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).		
a. <input type="checkbox"/> is attached hereto.		
b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).		
7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))		
a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).		
b. <input type="checkbox"/> have been communicated by the International Bureau.		
c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.		
d. <input checked="" type="checkbox"/> have not been made and will not be made.		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input type="checkbox"/> A preliminary amendment.		
14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input type="checkbox"/> A power of attorney and/or change of address letter.		
17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.		
18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/587155</b>		INTERNATIONAL APPLICATION NO. PCT/KR2005/000214		ATTORNEY'S DOCKET NUMBER 118.24-US-WO	
20. Other items or information: Paper copy of Sequence Listing. Notification of the Recording of a Change International Search Report				Form PCT/IPEA/409 Form PCT/IPEA/402  Form PCT/IPEA/408	
The following fees have been submitted				<b>CALCULATIONS      PTO USE ONLY</b>	
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))					
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200				\$ 200.00	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500				\$ 400.00	
<b>TOTAL OF 21, 22 and 23 =</b>				<b>900.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
54 - 100 =	/50 =		x \$250	\$ -0-	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	18 - 20 =	-0-	x \$ 50	\$ -0-	
Independent claims	3 - 3 =	-0-	x \$200	\$ -0-	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$ -0-	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ -0-</b>	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
<b>SUBTOTAL =</b>				<b>\$ 450.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$ -0-	
<b>TOTAL NATIONAL FEE =</b>				<b>\$ 450.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 40.00	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 490.00</b>	
				Amount to be refunded:	\$
				Amount to be charged	\$ 490.00

8372-105

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- AP20 Rec'd PCT/PTO 25 JUL 2006**
- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 50-0494 in the amount of \$ 490.00 to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0494. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

CUSTOMER NUMBER 22462  
William J. Wood  
Gates & Cooper LLP  
6701 Center Drive West  
Suite 1050  
Los Angeles, CA 90045  
(310) 641-8797



SIGNATURE

William J. Wood

NAME

42,236

REGISTRATION NUMBER

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**10/587155**

Applicant(s): Hyung-Kwon Lim, Jung Hwan Park, and Sung-  
Docket: 118.24USWO  
Title: TRANSFORMED SACCHAROMYCES CEREVISIAE AND METHOD FOR MASS-  
PRODUCTION OF LK8 PROTEIN USING SAME

**AP20 Rec'd PCT/PTO 25 JUL 2006**

**CERTIFICATE OF MAILING UNDER 37 CFR 1.10**

**'Express Mail' mailing label number: EV 689293785 US**

**Date of Deposit: July 25, 2006**

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By:

Name: Barbara Senty

**MAIL STOP PCT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing Certificate Of Mailing Under 37 CFR 1.10.
- ☒ Form PTO-1390: TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371.  
The fee has been calculated as shown below in the "Claims as Filed" table.
- ☒ A copy of International Application No. PCT/KR2005-000214 as published.
- ☒ A copy of International Application No. PCT/KR2005-000214 as filed.
- ☒ 14 sheets of Drawings
- ☒ A signed Declaration and Power of Attorney
- ☒ Assignment of the invention to MOGAM BIOTECHNOLOGY RESEARCH INSTITUTE, Recordation Form Cover Sheet
- ☒ Information Disclosure Statement and Form PTO-1449.
- ☒ Cited foreign patent and/or non-patent reference(s).
- ☒ A charge to Deposit Account in the amount of \$450.00 to cover the Total National Fee
- ☒ A charge to Deposit Account in the amount of \$40.00 to cover the Assignment Recordation Fee.
- ☒ Other: Forms PCT/IB/306, PCT/IPEA/409, PCT/ISA/210, PCT/IPEA/408, and PCT/IPEA/402.
- ☒ Return postcard.

								Fee
<b>Basic National Fee</b>								150.00
<b>Examination Fee</b>								100.00
<b>Search Fee</b>								200.00
<b>Application Size Fee</b>								\$
<b>CLAIMS AS FILED</b>								
<b>Total Claims</b>		<b>In Excess of:</b>		<b>Number Extra</b>		<b>Rate</b>		
18		20	=	0	x	\$25.00	=	\$0.00
<b>Independent Claims</b>								
3		3	=	0	x	\$100.00	=	\$0.00
<b>MULTIPLE DEPENDENT CLAIM FEE</b>								\$0.00
<b>TOTAL NATIONAL FEE</b>								<b>\$450.00</b>

Please charge all fees to Deposit Account No. 50-0494. A duplicate of this sheet is enclosed.

**Customer Number 22462**

**GATES & COOPER LLP**

Howard Hughes Center  
6701 Center Drive West, Suite 1050  
Los Angeles, CA 90045  
(310) 641-8797

By: 

Name: William J. Wood

Reg. No.: 42,236

Initials: WJW/bjs